MOUNT DIABLO 1947 W6CX AMATEUR RADIO CLUB WWW.MDARC.ORG

THE CARRIER

The monthly newsletter for the Mount Diablo Amateur Radio Club

Volume LXX - Number 4 – April 2021

Friday April 16, 2021 7pm

VIRTUAL ANNUAL AUCTION

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The COVID-19 pandemic required the club to cancel all in-person meetings for the duration of the outbreak. In response, the Club began meeting electronically, using the **zoom.us** *system. Invitations to each publicly available meeting will be sent out via our groups.io email reflector listed on page 2, making it even more important that you join this email group.*
See page 14 for details on Zoom.

THIS MONTH, NO MEETING...INSTEAD, JOIN US FOR OUR ANNUAL AUCTION !

Auctioneer Jim Siemons, W6LK

After being canceled in 2020 due to the COVID-19 pandemic, our club's annual auction is back! It will again be run by longtime club auctioneer Jim Siemons, W6LK, but, this year, virtually via the ZOOM on-line meeting platform.

See page 6 for auction details.

The auction will be held virtually only, via our Zoom videoconferencing system. The meeting access ID and password will be distributed via groups.io email announcement. The auction will also be shown on the club digital amateur television repeater, which is live streamed at: http://w6cxatv.mdarc.org/ and also live streamed on YouTube on the **Media MDARC** channel.

Jeannie Felix, KG6YOR
Rodney Leavitt (license pending)
Duncan McPhee, KN6NYJ
Pete Petrovich, W6ZW
Will Tait, KN6NXL
Benedicta Werle, KN6NYH

If you hear these new members on the air, please welcome them to our club.

— *Jan Kulisek, KM6NFC*

When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:
https://smile.amazon.com/ch/23-7072059

ALL MEMBERS ARE INVITED TO JOIN THE FREE CLUB E-MAIL GROUP AT:

https://groups.io/g/MDARC

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The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Larry Bradley, KK6QPE
Vice President - Jan Kulisek, KM6NFC
Secretary – Brian Lotter, KM6NGS
Treasurer - Cathi Walton, K2CJW
Emergency Coordinator - Ron Bunch, W4FEK

Directors At Large
Trevor Hall, WA6JAU
Roger Hooten, W6UZ
Cal Vasquez, K6VT
Mike Warren, W6MEW

Membership Chair – Jan Kulisek, KM6NFC
mdarcmembership@mdarc.org

PACIFICON 2021

Chair: Julie Mah, WJ8MAH
Registration: Debbie Deeble, KN6DOM
Treasurer: Jim Siemons, W6LK
Secretary: Jan Kulisek, KM6NFC

COMMITTEE CHAIRS AND COORDINATORS

Annual Auction - Jim Siemons, W6LK
Communications Trailer - Mike Warren, W6MEW
Communications Van MDARC-1 - Jim Tittle, K6SOE
Digital Media - Mike Patterson, N6JGA
Education & Training - John Primus, AF6RJ
Field Day - Larry Loomer, KI6LNB
Good & Welfare - Diana Sage, KA6TZU
Holiday Dinner - Misa Siemons, KJ6BUE
License Testing - Larry Loomer, KI6LNB
Outreach - Dick Wade, WM6G
Public Service - Klaus Berkner, K6KHB
Radio Equipment Lending - Cal Vasquez, K6VT
Refreshments - Elizabeth Styles, KG6HLV
Repeater Trustee W6LGW - Dick Brown, KT6X
Repeater Trustee W6CX - Jim Tittle, K6SOE
Scholarship - Janice Fujii, KG6VTD
Technical Committee - Jim Siemons, W6LK

The Carrier Newsletter
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Printing & Distribution - Jan Kulisek, KM6NFC

Amateur Television Help and Information:
Fred Coe, WB6ASU wb6asu@icloud.com

President's Message

April 2021

MDARC Family,

Last month I wrote that I would be in Oregon for a couple of months, but you know how things can change, so now I am back home in Concord. Nice to sleep in my own bed and be able to "play" in my ham shack. And of course there are all those other projects to do around the house.

For my trip to Oregon I packed lots of radio gear with the best of intentions to put it to use, but sadly, I never did a thing! I used the argument that the coastal weather was chilly and moist, but I know it is a lame excuse.

Sure I used my mobile rig (Yaesu FTM400-DR) to monitor the W7PRA linked repeaters. If you are unfamiliar with the Peak Radio Association, I recommend checking their websithttps://www.w7pra.com/e for their listing of linked repeaters. I programmed all of them into my mobile rig so I would have these repeaters as I drove north. Because there are so many repeaters and locations, and because there is limited character space for naming these in my rig's memory, I suggest printing out the W7PRA list from the website in order to match your driving location with the nearest repeater location.

Do You read ARRL's QST magazine? I hope you do. I read it cover to cover, often with comments like "nice rig, but too expensive," "interesting article", " great article but too technical for me," "I like that hack, think I'll do it." But whatever my comments, I always learn a little more about our hobby.

About those magazines! Storing issue after issue sure can take a chunk of space which is something in short supply in my ham shack. ARRL to the rescue with digital copies of QST.

To help you make the move to this ARRL benefit, be sure you read the User Guide.

Here is an excerpt from the ARRL website:

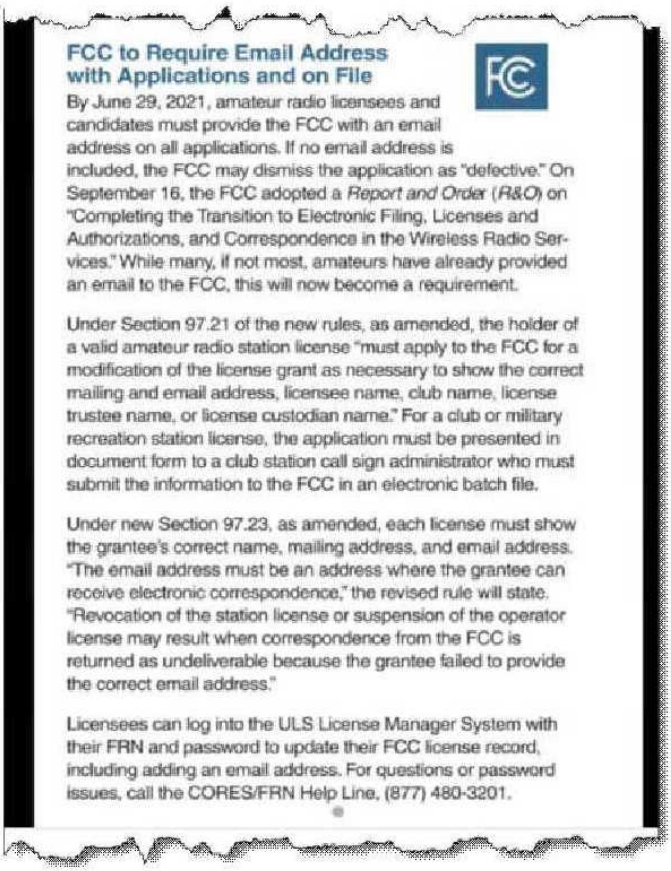
> *To view the current digital QST or archived editions, members must login with their registered username and password. Your username and password will be the same credentials used to log into the ARRL website. If you are having difficulty logging into the digital formats, please visit the* ***Member Support*** *page for login assistance.*

www.arrl.org/qst

There was an article in the March issue of QST about the FCC requiring us to include an email address as part of our license record. Since there are consequences if we fail to do this, I thought it worthwhile to include a screenshot of the article and to encourage you to check to see if you have entered an email. I know I was uncertain so used the informatiopn from ARRL's website to check…and I was okay!

ARRL information on the FCC Universal Licensing System and link to the License Manager System
http://www.arrl.org/universal-licensing-system

https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp



FCC to Require Email Address with Applications and on File

By June 29, 2021, amateur radio licensees and candidates must provide the FCC with an email address on all applications. If no email address is included, the FCC may dismiss the application as "defective." On September 16, the FCC adopted a *Report and Order* (*R&O*) on "Completing the Transition to Electronic Filing, Licenses and Authorizations, and Correspondence in the Wireless Radio Services." While many, if not most, amateurs have already provided an email to the FCC, this will now become a requirement.

Under Section 97.21 of the new rules, as amended, the holder of a valid amateur radio station license "must apply to the FCC for a modification of the license grant as necessary to show the correct mailing and email address, licensee name, club name, license trustee name, or license custodian name." For a club or military recreation station license, the application must be presented in document form to a club station call sign administrator who must submit the information to the FCC in an electronic batch file.

Under new Section 97.23, as amended, each license must show the grantee's correct name, mailing address, and email address. "The email address must be an address where the grantee can receive electronic correspondence," the revised rule will state. "Revocation of the station license or suspension of the operator license may result when correspondence from the FCC is returned as undeliverable because the grantee failed to provide the correct email address."

Licensees can log into the ULS License Manager System with their FRN and password to update their FCC license record, including adding an email address. For questions or password issues, call the CORES/FRN Help Line, (877) 480-3201.

April 13th marks the start of our 10-week General Licensing Course, so if you are interested, please register. You might consider doing a double whammy this year by taking this Course, passing the General Class License exam, and then register for this year's Amateur Extra Course starting in early August. This is an opportunity to upgrade from your Technician license to Amateur Extra before the end of the year.

Accepting donations: Please consider donating to the club.

- Donating to MDARC through Amazon Smile is a "painless" and at-no-cost-to-you way to donate. Use this link:

https://smile.amazon.com/ch/23-7072059

TIP: *Be sure to bookmark the AmazonSmile website so it is conveniently available whenever you place orders with Amazon.*

amazonsmile
You shop. Amazon gives.
You can donate to MDARC just by shopping at AmazonSmile.Com.
Click Here for details.

- Check out even more ways to donate from MDARC's webpage.

http://www.mdarc.org/resources/donate-to-mdarc

Club Meeting: **Friday, 04/16/21** will be our MDARC Auction which will be held virtually. Check the MDARC website for details.

Even though the auction is our of the norm for our typical monthly meeting, we still need to abide by our guidelines for our Zoom meetings.

http://www.mdarc.org/about-us/zoom-guidelines

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Born	January 23, 1886 Osaka, Osaka Prefecture, Empire of Japan
Died	January 19, 1976 (aged 89)
Nationality	Japanese
Occupation	Assistant Director of Fuji Heavy Industries
Known for	Yagi-Uda antenna
Awards	Blue Ribbon Award (1951), the Order of Culture (1956) and the Order of the Rising Sun, First Class (1976)
Scientific career	
Fields	Physics

Hidetsugu Yagi

Hidetsugu Yagi - Wikipedia

"The greatest motivational act one person can do for another is to listen." **Roy E. Moody**

73,

Larry Bradley KK6QPE

04/05/21

OUR ANNUAL AUCTION IS BACK !

Our annual auction will begin at 7pm on Friday April 16, 2021 via Zoom. Bidders' will indicate that they wish to bid on an item by "raising their hand" via Zoom. The auctioneer or assistant auctioneer will acknowledge bids, then bidding will continue until the highest bid is determined. Name, call sign, and email needs to be provided to assistant auctioneer via Zoom chat. See page 14 for details on Zoom.

Sellers

If you would like to sell an item or items at the auction, please contact Jim Siemons, W6LK at jim@siemons.com in advance of the auction. We will need one (1) picture of your item, a short description, a minimum bid amount (if wanted), your name, call sign, phone, and email address. There will be a 10% commission (rounded to the nearest nickel) to MDARC. The seller and buyer will have to make their own arrangements for delivery. MDARC will not be responsible for delivery of items.

Buyers

Simply come and join us the night of the auction, and "raise" your Zoom hand to indicate that you wish to bid. The auctioneer or assistant auctioneer will acknowledge your bid. If you are not noticed, please send a note to "everyone" on Zoom chat indicating that you would like to bid.

After the bidding on each item is successfully closed, our cashiers will tabulate the final bids and send a PayPal invoice at the end of the evening. You may pay with PayPal, credit card, debit card, or from your bank account.

Auction Rules

Equipment of interest to the ham radio community only.
10% commission charged to seller
$1.00 charge for buy backs. The auctioneer has the final word
PayPal electronic payments only. PayPal allows for the use of your PayPal account, your credit card/debit card, or your bank account for transactions. You do not need to have a PayPal account. There is a 5% convenience charge for PayPal processing to cover processing fees.

Items will be published online at the MDARC.org website in an Auction Catalog

If you have any questions, please contact us at jim@siemons.com or info@mdarc.org

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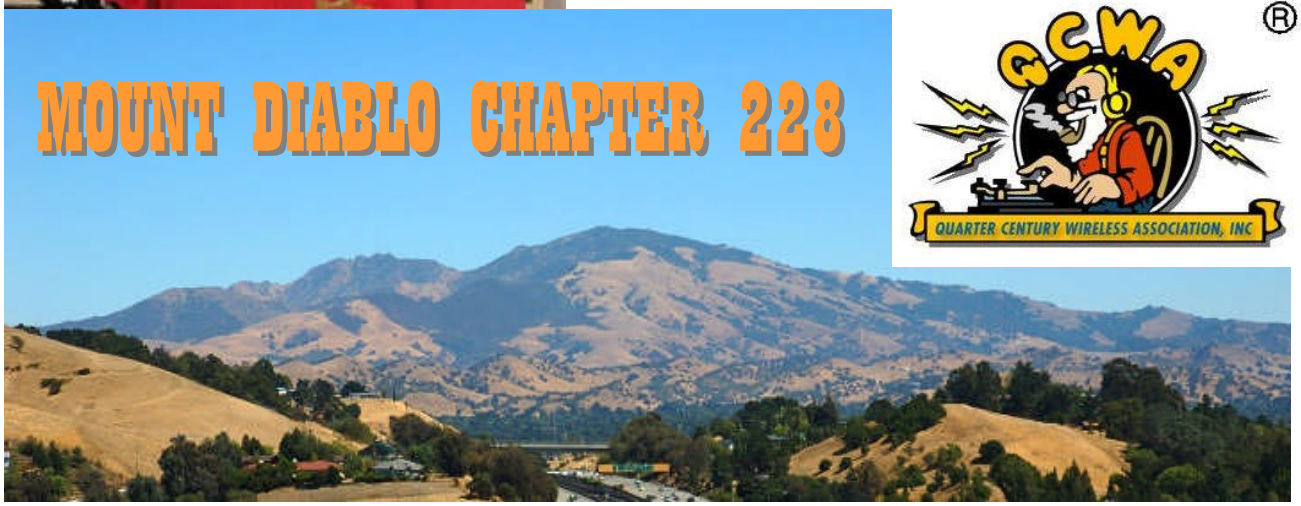
Virtual Presentation by Bob Heil, K9EID, Hosted by QCWA Chapter 228

The Quarter Century Wireless Association Mount Diablo Chapter 228 invites Mount Diablo Amateur Radio Club members to attend our Saturday April 24, 2021 virtual meeting at 10:30am that will feature a presentation by audio expert (and QCWA life member) Bob Heil, K9EID. Bob is always interesting and no two of his programs are the same.

To obtain the link for zoom access, please contact Chapter 228 President Ron Luttringer, K6XC, at ronk6xc@gmail.com .



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VIDEO LINK OF THE MONTH

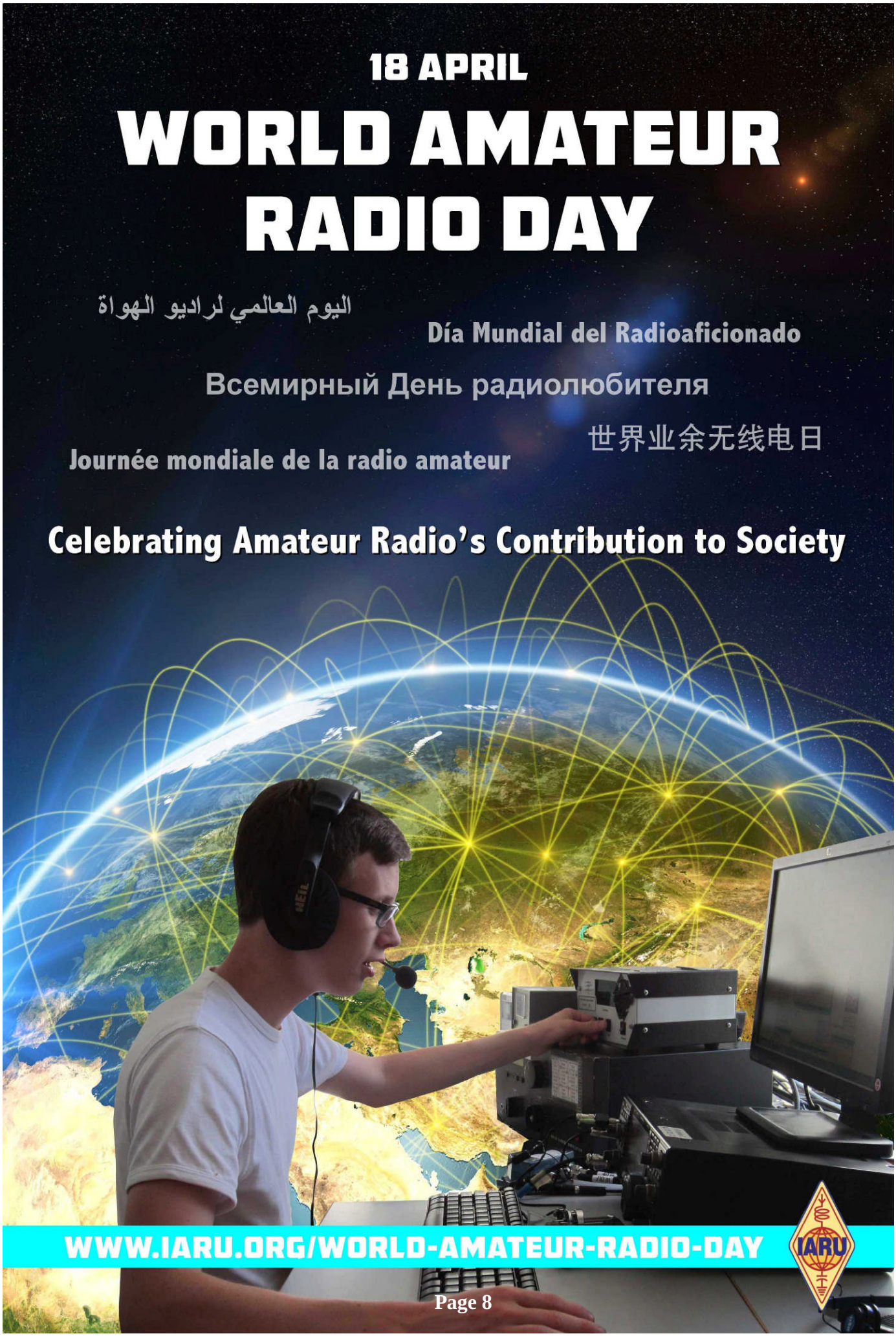
Digital Vs. Analog Signal Two-Way Radio Test

Link: https://www.youtube.com/watch?v=KzwB3RcT2KE

An interesting 17 minute video of a mobile real-world test comparing various analog and digital voice modes on the 440 MHz band.

The test was performed in an urban multi-path environment as well as in mountainous terrain to see what the limits of each mode were.

Submitted by Mike Patterson, N6JGA, Digital Media Chair


18 APRIL
WORLD AMATEUR RADIO DAY
اليوم العالمي لراديو الهواة
Día Mundial del Radioaficionado
Всемирный День радиолюбителя
世界业余无线电日
Journée mondiale de la radio amateur
Celebrating Amateur Radio's Contribution to Society
WWW.IARU.ORG/WORLD-AMATEUR-RADIO-DAY
IARU

MDARC Board of Directors Meeting March 01, 2021

Held at Zoom online

1. Call to Order: The meeting was called to order at 7:04 pm by Larry Bradley KK6QPE after it was determined that there was a quorum for conducting Club business.

2. Roll Call: Attendees via Zoom screen shot: Larry Bradley KK6QPE, President; Jan Kulisek KM6NFC, Vice President; Brian Lotter KM6NGS, Secretary; Cathi Walton K2CJW, Treasurer; Ron Bunch W4FEK, Emergency Coordinator; Director at Large; Mike Warren W6MEW, Director at Large; Roger Hooten W6UZ, Director at Large; Trevor Hall WA6JAU, Director at Large; Mike Patterson N6JGA; Larry Loomer KI6LNB; Bruce Alcorn KK6SQM; Dave Billeci WA6UHA; Eric Ferguson KA6USJ; Tim Barrett K6BIV; Mary Solon KD6MKS; Patrick Miller KK6DBX; Greg Estep KE6VTA; Paul Atkins AI6DB.

3. Approval of Minutes from Last Meeting: The minutes of the February 1, 2021 meeting were approved without objection.

4. Adopt Tonight's Agenda: The agenda for this meeting was approved.

5. Officer reports:

a. President Larry Bradley KK6QPE reported that he will leave for Oregon at the end of this week and expects to be there for a few months.

b. Vice-President Jan KM6NFC reported that the upcoming speakers for the General Meetings are as follows:

March 19, John Miller K6MM: K1N DXpedition To Navassa: The Caribbean's Secret Island.
May 21, John Trintrud K9ONR: A "Private" Winlink Network for Walnut Creek CERT
June 18, Jim Siemons W6LK: DMR

c. Secretary Brian KM6NGS – No report

d. Treasurer Cathi K2CJW submitted a summary of the February 2021 monthly report and noted a drop in income as predicted in previous discussions. There were no questions about the summary report. The February 2021 checking account details were then discussed.

Larry KK6QPE asked for clarification that Membership dues only include the regular membership dues, not donations. Cathi explained that donations are shown under Repeater Support donations.

Tim K6BIV asked if "this year's dues were heavy at the end of last year" and therefore don't show on this report, Cathi explained that this is what normally happens. Tim concluded that this means that we will "show substantially below budget until the end of the year, on that line item" Cathi said yes.

Moving on to expenses, Cathi noted that our expenses have been "routine" and there were no questions for Cathi at this point.

Cathi went on to say that she has received an email from Rodie's, our van parking and storage provider, saying that their fees will show a modest increase starting April 1st and will show on the March invoice. They also said that their fees will continue to be about 30% below their competition.

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Dick WM6G asked for clarification of the Van Parking and Van Storage costs. Cathi explained that Van Parking Shows under the Vehicle Committee heading while Van Storage costs are shown in Storage and that they are both parts of the Roadie's costs. Cathi went on to say that our budget does anticipate a 10% increase. Our Liability insurance through ARRL expires in April and Cathi plans to renew it this week.
There were no further questions for Cathi.

6. Emergency Coordinator, Ron Bunch W4FEK reported that there were no emergencies, no reports and no communications from anyone out in the field.

7. Directors at large reports:

Mike W6MEW – no report
Trevor Hall WA6JAU – no report.
Roger Hooten W6UZ – no report but he was listening to see if he could give Jan Kulisek any support.
Cal Vasquez K6VT – nothing to report.

8. Committee Reports:

a. Education and Training; John Primus AF6RJ submitted a report before the meeting and Larry KK6QPE sent it out via email.

b. Pacificon; Julie WJ8MAH was not present but Mike N6JGA reported that they are in the process of communicating with potential speakers and vendors to see if they are interested in coming. They hope to learn more in the committee meeting on the second Wednesday of this month.

c. Digital Media; Mike Patterson N6JGA had no report. Larry KK6QPE thanked Mike for the detailed work that he has done on the groups.io forums.

d. Outreach; Dick Wade WM6G reported that he continues to answer emails and calls and that he gets a lot of thankyous for answering the phone. He reported that he and Pete Harris KE6ZIW had made the presentation to the Rotary Club and Pete had given an excellent presentation which promoted MDARC and Ham Radio.

f. Technical; Jim Siemons W6LK was not present but Trevor Hall WA6JAU reported that they have been working on the multi-mode radio for the past month and that D-Star is working but DMR has some problems. He invited members to join the Technical Committee meeting on March 6 if they wish to get more detailed information on this.

g. Auction; Trevor WA6JAU stated that the Auction is still on for April and that it will probably only be for equipment that we have in our storage. Larry KK6QPE said that there needs to be an announcement by the next Board Meeting.

h. Vehicle (MDARC-1); No report

i. Communications Trailer; Mike Warren W6MEW had nothing to report.

j. Field Day; Larry KI6LNB stated that our Field Day will depend upon directions from the County Health Department but we plan to hold a Field Day if health conditions allow it. Larry KK6QPE asked Larry KI6LNB to contact the Walnut Creek Parks Department in April to see what their thinking is.

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k. License Testing; MDARC is not currently doing testing under the MDARC name.

l. Public Service; There was no report.

m. Membership; Jan KM6NFC reported 8 new members since he took over and 21 renewals as a result of the reminder email that he sent. He reported 369 primary or individual members and 458 if spouses and family members are counted. 163 members have not yet renewed for 2021. He will wait a few weeks before sending another reminder. Dick WM6G asked what the deadline for the 2021 Membership Directory is and how it will be decided who is included. Jan replied that he had not addressed that issue yet but that he is planning a new membership portal for the website and that the directory will flow from that. He will also wait on the response to his next reminder before deciding who will or will not be included. There was some discussion about what should be included in the Membership Directory and how the Membership Portal will work. Jan replied that the Board will be involved in the decisions on construction of the Portal.
n. Election Committee; no report

o. Scholarship; Cathi K2CJW contacted Mike W6MEW to get the number of Judges for the Science and Technology Engineering Fair. Janice KG6VTD sent a list of project titles that may interest us. There are four Judges from MDARC viz. Jim Siemons, Trevor Hall, Mike Warren and one other. Cathi will send them a check for 4 judges.

p. Radio Lending Library; No report.

9. Unfinished Business:

9.1 Review of Board and Club Meeting schedules; The next Board Meeting will be on April 5 and the next General Meeting on April 16. Mike pointed out that the only exceptions are in July and September, the other meetings are on the regular schedule and these are all listed on the MDARC website.

9.2 Provident account signer changes.

Cathi K2CJW proposed a motion seconded by Mike W6MEW to:
Move to change the Vice President signer for MDARC's Provident accounts from Ed Morales to Jan Kulisek, MDARCS's current Vice President. Ed Morales shall be removed as a signer on those accounts.
The Board Members voted unanimously in favor of the motion.

9.3 Technical Committee report regarding South Peak to North peak repeater transfer. Trevor Hall WA6JAU reported that there is not enough information to proceed with this.

9.4 Replacing Roger W6UX Director at Large due to his impending move [Reference: MDARC By-Laws Section 6.4]. Larry KK6QPE stated that the by-Laws allow for the Board to decide who will serve out the rest of Roger's term. That meeting will take place later. He then opened it up to the Board to provide possible names for the replacement. The only name that came up was Eric Ferguson KA6USJ.

9.5 Discussion of Auction details was handled earlier in this meeting.

9.6 Updating MDARC By-Laws for grammatical and content considerations. This is on hold.
There were no new items for unfinished business.

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10. New Business:

10.1 Discuss revising Membership database for processing and tracking payments, status, etc.
Jan KM6NFC made a proposal to modernize Membership processing by creating a Membership Portal on the MDARC website in which data processing will be handled and payment processing will be included. This prompted a number of questions about security, the privacy of members and the costs. Larry KK6QPE stated that the system must be easily portable so that it does not depend upon one person. It was decided that Patrick KK6DBX and Mike N6JGA will work with Jan to study these issues so that they can present a formal proposal next month.

11. Adjournment

Cal K6VT, seconded by Trevor WA6JAU, proposed a motion to adjourn. All members voted in favor.
Meeting Adjourned at 8:27 pm

Respectfully submitted by
Brian Lotter KM6NGS
Secretary, on March 14, 2021
These meeting minutes were signed digitally due to the digital meeting.

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MDARC Board of Directors, Special Meeting March 01, 2021 - Held at Zoom online

According to the MDARC Bylaws Section 6.4, the President, Larry Bradley KK6QPE called a special meeting of the Board of Directors, immediately following the regular Board Meeting.

Attendees via Zoom screen shot: Larry Bradley KK6QPE, President; Brian Lotter KM6NGS, Secretary; Cathi Walton K2CJW, Treasurer; Director at Large Mike Warren W6MEW; Director at Large Trevor Hall WA6JAU; Director at Large Cal Vasquez K6VT.

The purpose of this meeting was to decide on a replacement for the departing Director at Large Roger Hooten W6UZ. After it was determined that there was a quorum for conducting Club business, the President called for suggested names for the replacement.

After due discussion, Cal Vasquez K6VT, seconded by Mike Warren W6MEW, proposed a motion that Eric Ferguson KA6USJ be the replacement Director at Large to serve out Roger's term of office which ends on 12/31/21. The motion was carried unanimously.

The Board discussed that we would leave it with Roger, W6UZ to tell us when he will vacate the office of Director at Large and at that point Eric, KA6USJ will assume that role.

The meeting was Adjourned at 8:44 pm

Respectfully submitted by
Brian Lotter KM6NGS
Secretary, on March 3, 2021

2021 Ham Radio Licensing *General* and *Extra* *ZOOM Class* Course Registration is now online.

http://www.mdarc.org/activities/education/Classes

MDARC will be holding a 9 week course where you can learn everything you need to upgrade from your Technician license to 2nd level *General* license. The *General* ZOOM Class will start *Tuesday* April 13th, 2021

Classes are weekly from 7-9 pm with sign-in at 6:30.

Complete class calendar and registration link:

http://www.mdarc.org/activities/education/Classes

We will email class material & the weekly zoom link before the class. The auto response at HamRadioClass@gmail.com will answer more class questions.

The fee for each License Class level is $10 paid online with a credit card at the time of online registration.

If you have a Ham radio question that is ***NOT*** about signing up for the classes please refer to www.MDARC.org or email MDARC's PIO info@mdarc.org

*** Level 2: General Class License Course-2021**

Each Tuesday evening, Apr. 13 - Jun. 8, 2021 (9 Sessions)

You can also Register now for the Extra Class

*** Level 3: Extra Class License Course-2021**

Each Tuesday, Aug. 3 - Oct. 5, 2021 (10 sessions)

http://www.mdarc.org/activities/education/Classes

General Class: *ARRL General Class License Manual 9th Edition.*

Spiral Bound version: ISBN: 978-1-62595-106-9. List price = $32.95 (plus shipping).

Kindle version: ASIN: B07TDVH426. List price = $19.95

Extra Class: *ARRL Extra Class License Manual 12th Edition*

Spiral Bound version: ISBN: 978-1-62595-131-1. List price = $32.95 (plus shipping).

Kindle version: ASIN: B089ZXCDWC. List price = $19.99

Zoom Video Meeting Instructions

Note: Zoom videoconference meeting access IDs and passwords will be distributed only through our MDARC Groups.io email reflector. They will not be posted on the club web site or other publicly available forums, in order to maintain needed security precautions.

General Information:

All meeting hosts and attendees are expected to review these guidelines prior to any Club meeting and abide by them throughout the meeting.

Zoom has two kinds of events: Meetings and Webinars.

Meetings:

In Meetings, everyone can see and hear everyone else (unless an individual has been muted or stopped their video). Everyone can also share their screen (unless blocked by the host), for demonstrating something or showing a PowerPoint, as examples.

Webinars:

In Webinars, only the presenter(s) can be seen and heard. Questions and comments are normally handled by either submitting the question by typing it into the Question pop-up box or the Chat area; or using the "Raised Hand" icon, then asking your question when the host unmutes and acknowledges you.

Webinars are an extra-cost feature in Zoom, so all Club events will be Meetings. This means every participant must be diligent about abiding by these guidelines, to minimize disruptions.

Per our Bylaws, Article III, Section 5; Electronic Meetings; Item 6:
(http://www.mdarc.org/about-us/official-documents/bylaws)
"Electronic Meetings may be conducted at the discretion of the meeting's chair. Nothing in this Section shall be construed as to require that any meeting of the Membership, Board of Directors or any committee be provided with the facilities for an Electronic Meeting, or that any attendee has the right to attend any meeting by electronic means."

If you have any questions about using Zoom, please let us know at info@mdarc.org or by calling 925-288-1730.

Go to https://zoom.us/download#client_4meeting

For computers (Windows or Apple), download the "Zoom Client for Meetings".

For phones and tablets, scroll down and download the appropriate "Zoom Mobile App"

* We recommend using a computer, rather than a phone or tablet, when possible. The screen is larger, the audio is usually better and the controls are easier to use.

Once the app is installed, you can join a test meeting to test your system and your audio.
See http://www.mdarc.org/about-us/zoom-guidelines/zoom-how-to

(continued on following page)

Zoom Video Meeting Instructions (continued)

* Be sure to review the "Attendee Controls in a Meeting" on Zoom's web site. See our Zoom How-To page for the link.

* Please attend via a video connection whenever possible. Although calling into a meeting by audio-only is allowed, it's strongly discouraged. Attendees are at a substantial disadvantage when they can't see the material being displayed on-screen. If you don't have or don't want to use a camera yourself, it's possible to attend a video meeting while keeping your video image turned off. That way, you can at least see the material. This may somewhat restrict your ability to participate, however.

* If you aren't fully familiar with using Zoom, please see our Zoom How-To page.

* Once in a meeting, check your name as it appears at the bottom of your image, or in the Participants List. Change it to one appropriate for the meeting, if needed. We suggest adding your call sign, for example. You can also make your name change permanent in your online profile. See our Zoom How-To page for instructions.

Video:

* Test your camera before the meeting.
Make sure you have the correct camera selected in your PC's settings and that it's working.
* Use appropriate lighting (no bright windows or lights behind you; light your face well, etc.)
* Do not use a camera angle that's too low (e.g., many laptops on a table or desk).
  No one wants to stare up your nostrils the entire time.
* Check your own image. Is this how you want to be seen? Is your face clear and well lighted?
* Wear appropriate clothes (please no pajamas, bath towels, etc.).
* Check the background of your image for anything you may not want others to see
  (junk in the corner, unmade beds, very personal items, etc.).
* Do not use a Zoom virtual background unless your PC can handle it.
  Get a green screen if you really want a virtual background.
  Turning on Zoom's virtual background feature without a green screen often messes
  with your image and distracts from the meeting.
* Remember that, in Meetings, everyone can see you at all times.
  Temporarily stop your video if you must do anything you don't want everyone to see.

Audio:

* Test your audio before the meeting.
Make sure you have the correct microphone & speakers selected in your PC settings and that they're working.
Does your microphone sound good? Are you easily understood? If not, consider an external microphone.
* Keep your mic muted unless you're speaking.
* Understand that if your audio is very poor, or if there are background noises, side conversations, etc.;
  the host may mute you.

* Remember, you must click "Join with internet audio" to get into the meeting. You will be placed in the "Waiting Room" until the host admits you. Your audio, both your speakers and your mic, will be muted until the host admits you. Once in the meeting, your mic will remain muted until unmuted by you or the host. Unfortunately, this is a necessary security measure.

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HAM RADIO OUTLET 1971 50 YEARS 2021 ANNIVERSARY

FAMILY OWNED AND OPERATED SINCE 1971

FTDX101MP | *200W HF/50MHz Transceiver*

• Hybrid SDR Configuration • Unparalleled 70 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABI (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker

FTDX10 | *HF/50MHz 100 W SDR Transceiver*

• Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/3-Stage Parametric Equalizer • Remote Operation w/optional LAN Unit (SCU-LAN10) • This device has not been approved by the FCC.

FT-991A | *HF/VHF/UHF All ModeTransceiver*

Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 Inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO

FTDX101D | *HF + 6M Transceiver*

• Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled - 70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + GEN 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream

FT-891 | *HF+50 MHz All Mode Mobile Transceiver*

Rugged Construction in an Ultra Compact Body • Stable 100 Watt Output with Efficient Dual Internal Fans • 32-Bit IF DSP Provides Effective and Optimized QRM Rejection • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control

FTM-300DR | *C4FM/FM 144/430MHz Dual Band*

• 50W Reliable Output Power • Real Dual Band Operation (V+V, U+U, V+U, U+V) • 2-inch High-Res Full Color TFT Display • Band Scope • Built-in Bluetooth • WiRES-X Portable Digital Node/Fixed Node with HRI-200

FT-2980R | *Heavy-Duty 80W 2M FM Transceiver*

• Massive heatsink guarantees 80 watts of solid RF power • Loud 3 watts of audio output for noisy environments • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users

FTM-7250DR | *C4FM/FM 144/430MHz Dual Band*

• 50 Watt Mobile • System Fusion-II Compatible • Operates Advanced C4FM Digital & Conventional FM Modes • 3 Watt Powerful & Clear Audio with Front Speaker

FTM-400XD | *2M/440 Mobile*

• Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-70DR *C4FM/FM 144/430MHz Xcvr*

• System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select detects C4FM or Fm Analog and Switches Accordingly • Huge 1,105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging

FT-3DR *C4FM/FM 144/430 MHz Xcvr*

• High Res Full-Color Touch Screen TFT LCD Display • Easy Hands Free Operation w/Built In Bluetooth Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Simultaneous C4FM/C4FM Standby • Micro SD Card Slot

FT-65R | *144/430 MHz Transceiver*

Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Reliable RF Power Within a compact Body • 3.5-Hour Rapid Charger Included • Large White LED Flashlight, Alarm and Quick Home Channel Access

FT-60R | *2M/440 5W HT*

• Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan

5 Ways to Shop!

- **RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday**
- **PHONE – Toll-free phone hours 9:30AM - 5:30PM**
- **FAX – All store locations**
- **ONLINE – WWW.HAMRADIO.COM**
- **MAIL – All store locations**

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ANAHEIM, CA (800) 854-6046	OAKLAND, CA (877) 892-1745	PORTLAND, OR (800) 765-4267	PHOENIX, AZ (800) 559-7388	MILWAUKEE, WI (800) 558-0411	WOODBRIDGE, VA (800) 444-4799
PLANO, TX (877) 455-8750	SAN DIEGO, CA (877) 520-9623	DENVER, CO (800) 444-9476	ATLANTA, GA (800) 444-7927	NEW CASTLE, DE (800) 644-4476	SALEM, NH (800) 444-0047

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*On most orders over $100 in the continental US. (Rural locations excluded.) Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. Prices, specifications and descriptions subject to change without notice.

The Carrier
Newsletter of the Mt. Diablo Amateur Radio Club
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FIRST CLASS

https://www.facebook.com/mdarc.org

W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.780- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.780- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.78- 441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Digital Amateur Television Net 147.060+

Club FM Repeaters
147.060 MHz + / PL 100Hz
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz
EchoLink: W6CX-R /133896, IRLP: 3057
https://www.broadcastify.com/listen/feed/25334

D-STAR 145.000 *offset plus 2.5 MHz*
https://w6cx.dstargateway.org/

DATV Internet Stream: http://w6cxatv.mdarc.org/
YouTube Channel: Media MDARC

Contra Costa County Emergency Communications Nets
Every Thursday

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex
7:20 pm Countywide 145.490-- (107.2 PL)
or 147.735-- (107.2 PL)
or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)
Wednesday 8:00pm 147.405 Simplex

Digital Amateur Television Repeater

Digital ATV Output: 1244.500
Digital ATV Inputs: 1292.500, 1273.0, 917.0, 430.0
Analog ATV Input: 1270.000 FM (PL 192.8)

April and May 2021 Club Calendar

Friday April 16, 2021	**7:00pm - VIRTUAL CLUB AUCTION ! Watch on DATV Repeater or join via zoom.us**
Saturday May 1, 2021	8:00am - MDARC Technical Committee Meeting - **VIA VIDEO CONFERENCE**
Monday May 3, 2021	7:00pm - MDARC Board of Directors Meeting - **VIA VIDEO CONFERENCE**
Friday May 21, 2021	6:00pm - Virtual Club Meeting - Watch on DATV Repeater or join via zoom.us